

From: [Gebo, Naomi \(DNR\)](#)
To: [Barnes, Abby \(DNR\)](#)
Subject: Review Requested - Bremerton CSO OF-12
Date: Friday, July 14, 2017 1:41:39 PM
Attachments: [51095956 PUBLIC NOTICE MAP \(1\).pdf](#)
[Bremerton OF-12 JARPA.PDF](#)
[Bremerton OF-12 Preliminary Survey.pdf](#)
[Bremerton OF-12 Construction Drawings.pdf](#)
[City of Bremerton 2016 Annual CSO Report.pdf](#)
[Bremerton Sediment Study - Final Report.pdf](#)
[SSAP Addendum Round II 10-19-16.pdf](#)
[Bremerton Outfall Review Memo.docx](#)

Hi Abby,

I am requesting review for a new 30-year Outfall Easement to authorize continued maintenance and operation of an existing Combined Sewer Overflow (CSO) outfall in the Port Washington Narrows by City of Bremerton. OF-12 is one of 15 CSO outfalls associated with the Bremerton West & East Wastewater Treatment Plants and is authorized under [NPDES Permit WA-0029289](#). OF-12 is one of five CSO outfalls that service the Anderson Cove basin, which encompasses a portion of northwest Bremerton, extending along the northwest shore of the narrows. Land use in this area is moderate density residential and commercial. The current outfall is a 24-inch reinforced concrete pipe that extends approximately 120 feet from the shoreline waterward of Ohio Avenue, just north of East Anderson Cove Park. The outfall appears to occur entirely on SOAL and is buried at least three feet below the substrate to the approximate line of extreme low tide (-4.5 feet MLLW). The outfall continues on the sediment surface beyond this point and discharges at a depth of approximately -7 feet at MLLW. Sediments in the discharge location are primarily sand and cobble with some shell hash. The age and condition of this outfall are unknown. However, construction plans provided indicate that the outfall has been replaced since initial installation. These plans also indicate that the original 18-inch RCP pipe was abandoned in place when the 24-inch pipe was installed. The location of the abandoned pipe appears to be just west of the active outfall.

A series of projects intended to reduce the frequency and volume of overflows from OF-12 were completed in 1999. Projects included installation of a vault with flow control devices and pump station upgrades. No overflows have been reported at this outfall since 2000. The current NPDES Permit required sediment sampling to be completed at several CSO outfall locations, including OF-12. Sampling was completed at three locations in the vicinity of OF-12 in [Summer 2015](#). Insufficient material was recovered from sampling location OF-12-2 to perform chemical analysis. Exceedances of SMS criteria for several chemicals of concern were reported at OF-12-1 and OF-12-3. The Final Sediment Report submitted in January 2016 indicates that exceedances appear to be the result of sample dilution, which required use of testing methods with detection limits above SMS levels. A second round of sediment sampling is proposed in Summer 2017 and will include one location at OF-12 to provide better quantification of chemicals of concern that may be present in sediments at this location. Sampling results are not yet available. Water quality impairments for bacteria are documented in the vicinity. There are no documented sediment quality impairments in the vicinity of the outfall but several cleanup sites are located nearby, including [Anderson Cove](#), [Old Bremerton Gasworks](#), and [Evergreen Park](#). Kitsap County maintains [ambient water quality monitoring stations](#) to the north and south of the outfall. The East Treatment Plant outfall discharges across the narrows.

Attached please find a vicinity map, the JARPA , a preliminary survey, OF-12 construction drawings, Bremerton's 2016 CSO Report, the January 2016 Sediment Report, and the October 2016 SAP Addendum. I have also attached your 2013 Outfall Review Memo which recommended new easements be put into place for all of Bremerton's CSO outfalls on SOAL and that baseline sampling be performed at each. If possible, I am requesting your review for the new easement for OF-12 by Monday, August 7th. Please let me know if you have any questions or require additional information.

Thanks,

Naomi A. Gebo

Habitat Stewardship Specialist

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